

FIGURE 1A

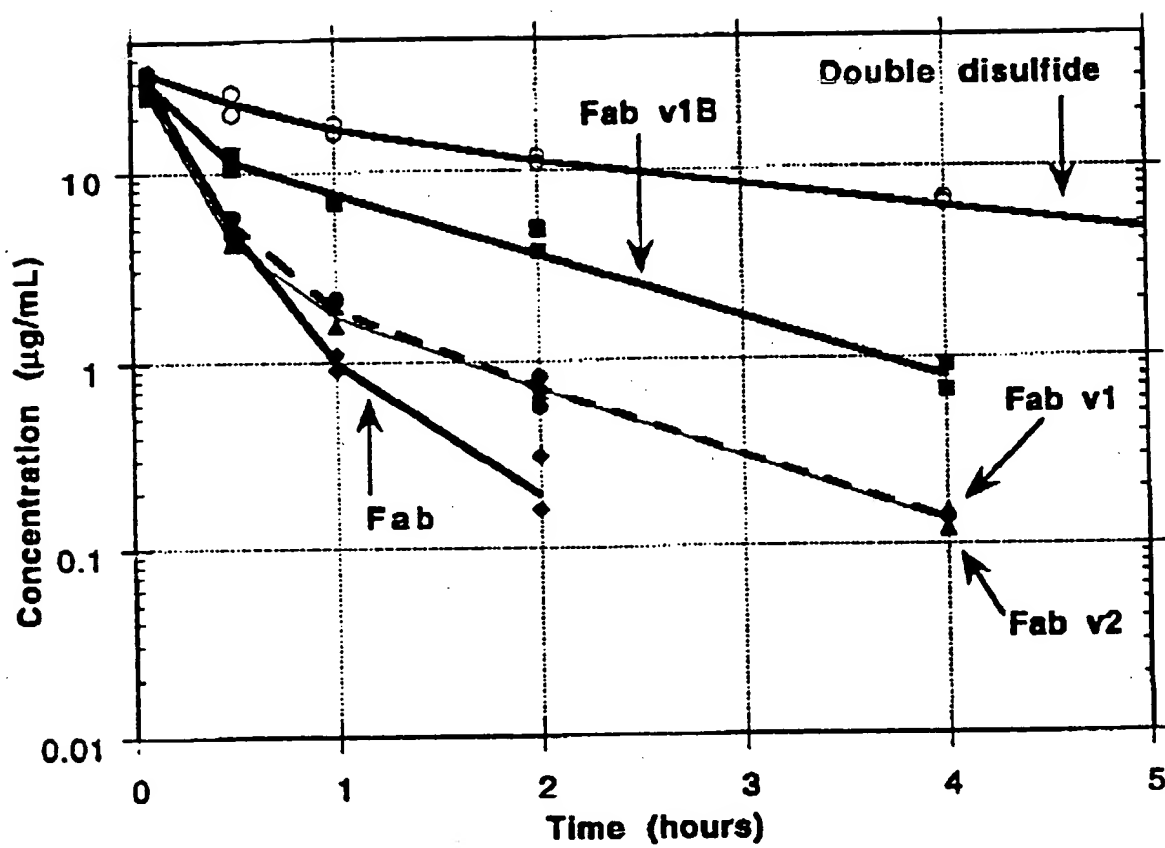


FIGURE 1B

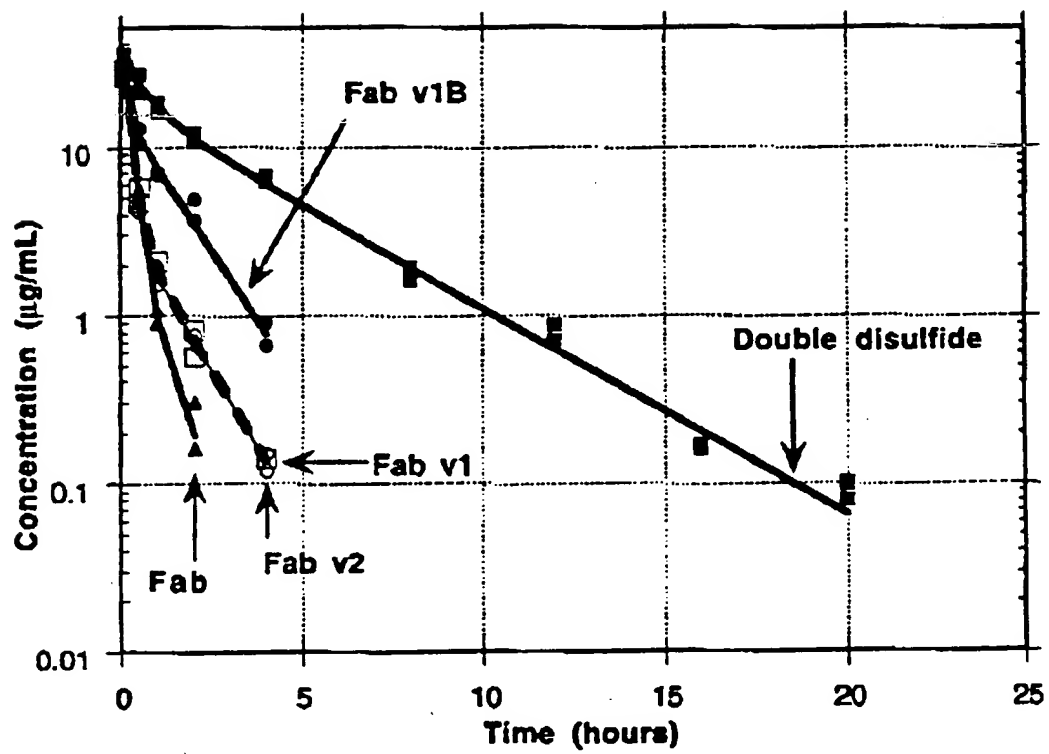


FIGURE 2

hIgG1 Sequence of human IgG1 CH1 domain
hIgG2 Sequence of human IgG2 CH1 domain
5 hIgG3 Sequence of human IgG3 CH1 domain
hIgG4 Sequence of human IgG4 CH1 domain
humK Sequence of human kappa CL domain
humL Sequence of human lambda CL domain

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10      114      128      139
      ↓      ↓      ↓
hIgG1  A S T K G P S V F P L A P S S K S T S G G T A A L
hIgG2  A S T K G P S V F P L A P C S R S T S E S T A A L
hIgG3  A S T K G P S V F P L A P C S R S T S G G T A A L
15 hIgG4  A S T K G P S V F P L A P C S R S T S E S T A A L

      108      122      131
      ↓      ↓      ↓
humK   R T V A A P S V F I F P P S D E Q L K S G T A S V
20 humL   Q P K A A P S V T L F P P S S E E L Q A N K A T L

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FabCABv1b A S T K G P S V F P L A P S P K N S S M I S N T P A L
of interest      P K N S S M I S N T P

25 most important      *** *

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hIgG1  G C L V K D Y F P E P V T V S W N S G A L T S
hIgG2  G C L V K D Y F P E P V T V S W N S G A L T S
30 hIgG3  G C L V K D Y F P E P V T V S W N S G A L T S
hIgG4  G C L V K D Y F P E P V T V S W N S G A L T S

humK   V C L L N N F Y P R E A K V Q W K V D N A L Q
humL   V C L I S D F Y P G A V T V A W K A D S S P V

35 -----
FabCABv1b G C L V K D Y F P E P V T V S W N S G A L T S

hIgG1  G V H T F P A V L Q S S G - - - L Y S L S S V
hIgG2  G V H T F P A V L Q S S G - - - L Y S L S S V

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FIGURE 2 (CON't)

hIgG3 G V H T F P A V L Q S S G - - - L Y S L S S V
hIgG4 G V H T F P A V L Q S S G - - - L Y S L S S V
humK S G N S Q E S V T E Q D S K D S T Y S L S S T
humL K A G V E T T T P S K Q S N N - K Y A A S S Y

FabCABv1b G V H T F P A V L Q S S G - - - L Y S L S S V

193 200 203
↓ ↓ ↓
hIgG1 V T V P S S S L G T - Q T Y I C N V N H K P S
hIgG2 V T V P S S N F G T - Q T Y T C N V D H K P S
hIgG3 V T V P S S S L G T - Q T Y T C N V N H K P S
hIgG4 V T V P S S S L G T - K T Y T C N V D H K P S

181 190
↓ ↓
humK L T L S K A D Y E K H K V Y A C E V T H Q G L
humL L S L T P E Q W K S H R S Y S C Q V T H E G S

FabCABv1b V T V P H Q S L G T - Q T Y I C N V N H K P S
of interest H Q N L S D G K

most important * * * * *

hIgG1 N T K V D K R V - - -
hIgG2 N T K V D K T V - - -
hIgG3 N T K V D K R V - - -
hIgG4 N T K V D K R V - - -

humK S S P V T K S F N R G E C
humL T V E K T V A P T E C S

FabCABv1b N T K V D K R V - - -